

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of the existing traffic controlsignal at the intersection of MD 198 and Sweitzer Lane in Prince George's County, Maryland. MD 198 is considered to run in an east/west direction.

II. INTERSECTION OPERATION

The intersection currently operates in NEMA six (6) phase, full-traffic-actuated mode. There are exclusive left turn phases for the east and westbound movements of MD 198. The MD 198 through movements operate concurrently. The Sweitzer Lane through movements operate concurrently with an actuated pedestrian phase across the west leg of the intersection.

The intersection is to be modified to a NEMA six (6) phase, full-traffic-actuated mode. The existing MD 198 phasing will be utilized. The Sweitzer Lane movements will operate in a side street split phase mode with an actuated pedestrian phase across the west leg of the intersection.

The existing base mounted cabinet/controller and loop detectors will be utilized.

EQUIPMENT LIST

A. Approved S.H.A. equipment to be purchased by the Developer and installed by the Contractor. All equipment in this list shall have catalog cuts submitted for approval prior to installation.

Quantity	Units	Specification Section	Description
3	EA	814	12 in., one-way, four section (R,Y,G,GA) adjustable traffic signal head with span wire mounting hardware and tunnel visors.
7.5	SF	813	30 in. x 36 in. R 3-6(L) sign with span wire mounting hardware.

B. Equipment to be furnished and installed by the Contractor. All equipment in this list shall have catalog cuts submitted for approval prior to installation.

Quantity	Units	Specification Section	Description
Lump Sum	LS	108	Mobilization.
Lump Sum	LS	104	Maintenance of traffic.
65	LF	553	5 in. wide thermoplastic pavement marking - white for lane line.
260	LF	553	12 in. wide thermoplastic pavement marking - white for crosswalk.
2	EA	---	Thermoplastic pavement marking symbol - white "Left/Straight Arrow".
100	LF	---	Remove existing pavement markings by grinding.
Lump Sum	LS	---	Remove and salvage existing traffic signal equipment.
Lump Sum	LS	---	As-built for S.H.A.

C. Existing equipment to be removed by the Contractor and delivered to the MDSHA Office of Traffic and Safety, Traffic Operations Division, Traffic Signal Shop, 7491 Connelley Drive, Hanover MD, 21076. A twenty-four (24) hour notice is required prior to delivery. Please contact Mr. Ed Rodenhizer at (410) 787-7650.

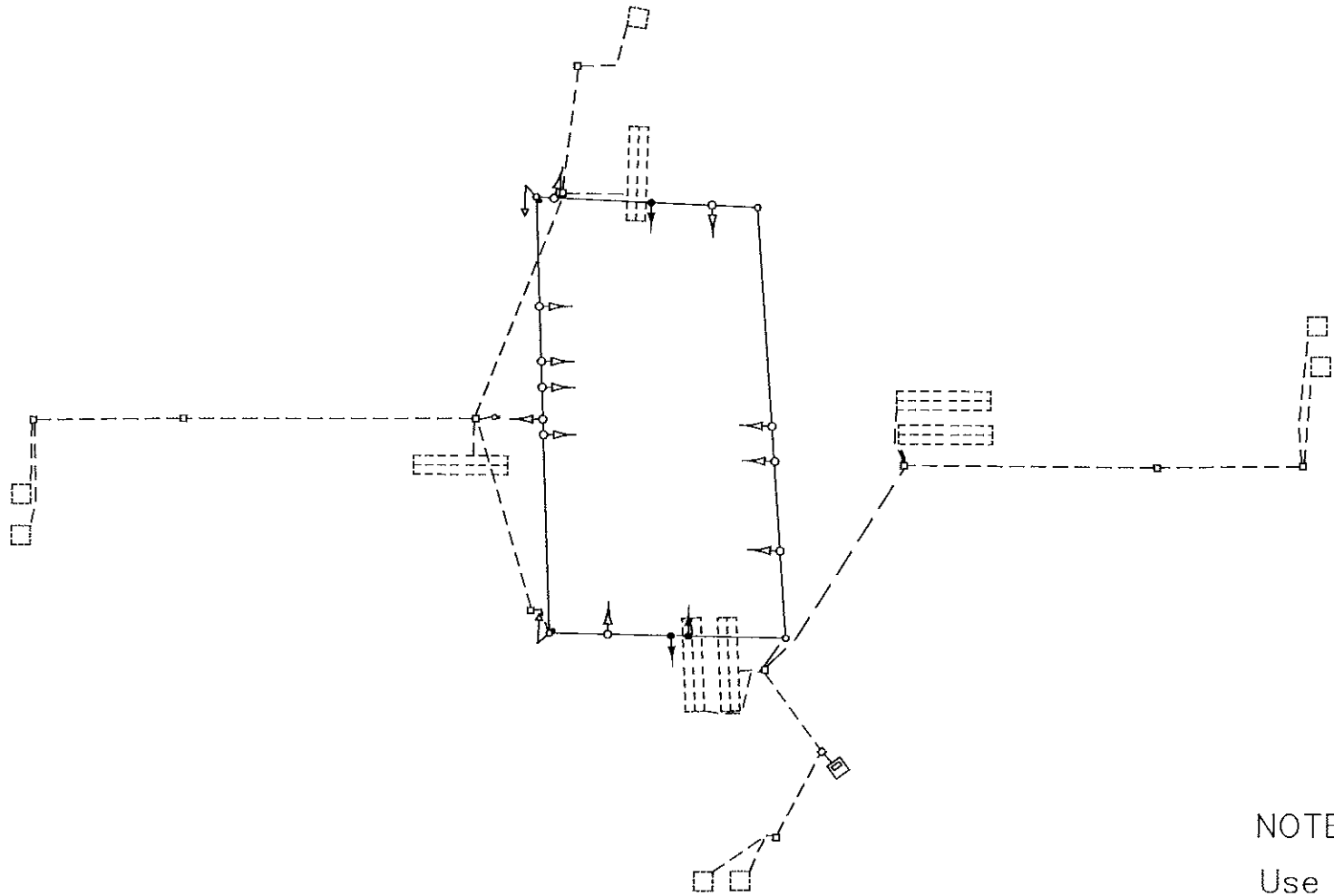
Quantity	Units	Description
3	EA	12 in. 3-section traffic signal head.

Note: All equipment and/or material not listed above shall become the property of the Contractor.

Phase Chart

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15-16
Phase 1 & 5	←G→	←G→	R	R	→G→	→G→	R	R	R	R	R	R	R	R	DW
1 & 5 Change to Phase 1 & 6 or Phase 2 & 5															
Phase 1 & 6	←G→	←G→	G	G	→R→	→R→	R	R	R	R	R	R	R	R	DW
1 Change	←Y→	←Y→	G	G	→R→	→R→	R	R	R	R	R	R	R	R	DW
Phase 2 & 5	→R→	→R→	R	R	←G←	←G←	G	G	R	R	R	R	R	R	DW
5 Change	→R→	→R→	R	R	→Y→	→Y→	G	G	R	R	R	R	R	R	DW
Phase 2 & 6	→R→	→R→	G	G	→R→	→R→	G	G	R	R	R	R	R	R	DW
2 & 6 Change	→R→	→R→	Y	Y	→R→	→R→	Y	Y	R	R	R	R	R	R	DW
Phase 3	→R→	→R→	R	R	→R→	→R→	R	R	R	R	G	←G←	G	DW	
3 Change	→R→	→R→	R	R	→R→	→R→	R	R	R	R	Y	Y	Y	Y	DW
Phase 4	→R→	→R→	R	R	→R→	→R→	R	R	←G←	←G←	G	R	R	R	DW
4 Change	→R→	→R→	R	R	→R→	→R→	R	R	Y	Y	Y	R	R	R	DW
Phase Alt 3	→R→	→R→	R	R	→R→	→R→	R	R	R	R	G	←G←	G	WK	
Ped Clearance	→R→	→R→	R	R	→R→	→R→	R	R	R	R	G	←G←	G	FL/DW	
Alt 3 Change	→R→	→R→	R	R	→R→	→R→	R	R	R	R	Y	Y	Y	Y	DW
Flashing Operation	←FL/R	←FL/R	FL/Y	FL/Y	→FL/R	→FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK

Wiring Diagram



NOTE:
Use existing electrical cable.



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MDOT – STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

DRAWN BY: Frank Hoeckel
DES. BY: Frank Hoeckel
CHK. BY:

(General Information)

MD 198 at Sweitzer Lane

COUNTY: PRINCE GEORGE'S LOG MILE *

DATE: February 6, 1997
SCALE: N/A

F.A.P. NO. N/A
S.H.A. NO. BW954M82

TS/STD. NO.
2110A-GI

SHEET NO.
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